

**TORO**

**THE WATERBIRD® - AUSTRALIA'S OWN**

**The Olive Centre**  
EQUIPMENT | MACHINERY | ADVICE

**Designed, engineered and fully manufactured in Australia.**

Our range of custom made agricultural mini-sprinklers is the result of continuous consultation between engineers, growers and dealers to minimise water consumption whilst increasing yield.



## Waterbird® Classic



### Features

- Engineered to provide improved water application for under tree and vine installations
- Aerofoil shaped frame minimises dry spots
- Snap Fit bearing provides easy field disassembly
- Anti-insect/dust proof spinner retracts to protect nozzle when not in operation
- Improved distribution characteristics with large droplet size being less susceptible to wind effects
- Low angle of throw for maximising under foliage penetration
- Proven robust frame design for superior strength and long field life
- Available with snap-off deflector for irrigating young trees
- Eight colour coded flow rates from 36 L/h to 304 L/h
- Maximum diameter of throw in excess of 10 m
- Fully assembled models available with pre-installed tube and stake

### Specifications

- **Inlet:** 10 mm MBSP/NPT
- **Recommended Pressure Range:** 100 – 200 kPa
- **Materials:** Frame, bearing and nozzle: Acetal  
Spinner: Nylon

### Application



## Waterbird® PC



### Features

- Unique patented pressure compensating diaphragm assembly for improved performance
- Pressure compensating mechanism provides uniform flow on undulating terrain
- Anti-insect/dust proof spinner retracts to protect nozzle when not in operation
- A two stage spinner provides two diameters of throw. The smallest diameter is for younger trees, and the deflector is simply removed for developed trees
- Aerofoil shaped frame improves sprinkler distribution pattern
- Large droplet size is less susceptible to wind effects
- Snap Fit bearing for easy infield maintenance
- Low angle of throw maximises under foliage penetration
- Eight colour coded flow rates from 37 L/h to 152 L/h
- Available in both standard and deflector tab spinners
- Fully assembled models available with pre-installed tube and stake

### Specifications

- **Inlet:** 10 mm MBSP/NPT
- **Compensating Pressure Range:** 150 – 350 kPa
- **Materials:** Frame, bearing and nozzle: Acetal  
Spinner: Nylon

### Application



### PERFORMANCE CHART

Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Std Spinner (m)	Diam. with LTD Spinner (m)	Diam Deflector TAB Spinner (m)	Diam. Deflector Plate (m)	Flow (L/h)	Stream Height* (m)
Black 1.00 mm	100	4.9				30	0.56
	150	5.5	4.0	1.0	1.4	36	0.62
	200	5.8				41	0.65
White 1.05 mm	100	6.1				44	0.56
	150	6.9	4.6	1.4	1.4	55	0.62
	200	7.3				64	0.65
Maroon 1.25 mm	100	6.8				62	0.57
	150	7.8	5.1	1.5	1.4	76	0.71
	200	8.3				89	0.90
Green 1.40 mm	100	7.3				81	0.60
	150	9.2	5.3	1.6	1.4	99	0.83
	200	10.3				115	0.90
Blue 1.65 mm	100	8.4				108	0.60
	150	9.4	6.0	1.7	1.6	134	0.80
	200	10.5				156	0.92
Grey 1.80 mm	100	8.5				125	0.60
	150	9.4	5.5	2.7	1.7	155	0.77
	200	10.8				178	0.90
Yellow 2.0 mm	100	8.3				156	0.65
	150	9.4	N/R	2.5	1.8	192	0.75
	200	10.3				221	0.85
Red 2.3 mm	100	8.8				214	0.74
	150	10.2	N/R	2.5	1.8	265	0.97
	200	10.3				304	1.05

Shaded portions indicate recommended operating pressures.  
Diameters based on spinner at 250 mm above ground level.  
\* Measured from spinner outlet.

### PERFORMANCE CHART

Jet Colour	Pressure (kPa)	Diam. Std Spinner (m)	Diam Deflector TAB Spinner (m)	Flow (L/h)	Stream Height* (m)
Black	150	5.5		35	0.39
	200	5.5	0.6	36	
	250	5.5	0.6	37	
	300	5.5	0.6	37	
	350	5.5		37	
Light Blue	150	5.5		45	0.36
	200	6.0	1.0	48	
	250	6.0	1.0	48	
	300	6.0	1.0	47	
	350	6.0		47	
White	150	6.5		54	0.43
	200	6.5	1.4	57	
	250	6.5	1.4	57	
	300	7.0	1.4	58	
	350	7.0		59	
Maroon	150	7.0		74	0.33
	200	7.5	1.6	76	
	250	8.0	1.6	77	
	300	7.5	1.6	76	
	350	7.5		75	
Green	150	8.0		96	0.50
	200	8.0	1.7	97	
	250	8.0	1.8	97	
	300	8.5	2.0	98	
	350	8.5		98	
Purple	150	8.4		120	0.35
	200	8.4	2.1	116	
	250	7.6	2.1	116	
	300	7.8	2.1	116	
	350	7.8		116	
Blue	150	9.0		135	0.50
	200	9.0	2.7	135	
	250	9.0	2.7	134	
	300	9.0	2.7	133	
	350	8.5		134	
Grey	150	9.0		151	0.39
	200	9.5	2.7	151	
	250	9.0	2.7	152	
	300	9.0	2.7	150	
	350	9.0		149	

Shaded portions indicate recommended operating pressures.  
Diameters based on spinner at 250 mm above ground level.  
\* Measured from spinner outlet.

## Waterbird® PC Olive



### Features

- Designed specifically to meet the needs of olive growers
- Self cleaning, pressure compensating mechanism provides uniform flow for undulating terrain
- Anti-insect/dust proof spinner retracts to protect nozzle when not in operation
- A two stage spinner provides two diameters of throw. The smallest diameter is for younger trees, and the deflector is simply removed for developed trees
- Highly visible UV stabilised red stake provides easy identification and reduces the chance of mechanical damage
- Aerofoil shaped frame improves distribution
- Proven robust frame design for superior strength and long field life
- Advanced wedge design spinner ensures excellent start-up reliability and low maintenance
- Supplied with a deflector tab on the spinner to reduce diameter of throw

### Specifications

- **Inlet:** 10 mm MBSP/NPT
- **Compensating Pressure Range:** 150 – 350 kPa
- **Materials:** Frame, bearing and nozzle: Acetal  
Spinner: Nylon

### Application



### PERFORMANCE CHART

Jet Colour	Pressure (kPa)	Diam. Std Spinner (m)	Diam Deflector TAB Spinner (m)	Flow (L/h)	Stream Height* (m)
Black	150	5.5		35	0.39
	200	5.5	0.6	36	
	250	5.5	0.6	37	
	300	5.5	0.6	37	
	350	5.5	0.6	37	
Light Blue	150	5.5		45	0.36
	200	6.0	1.0	48	
	250	6.0	1.0	48	
	300	6.0	1.0	47	
	350	6.0	1.0	47	
White	150	6.5		54	0.43
	200	6.5	1.4	57	
	250	6.5	1.4	57	
	300	7.0	1.4	58	
	350	7.0	1.4	59	
Maroon	150	7.0		74	0.33
	200	7.5	1.6	76	
	250	8.0	1.6	77	
	300	7.5	1.6	76	
	350	7.5	1.6	75	
Green	150	8.0		96	0.50
	200	8.0	1.7	97	
	250	8.0	1.8	97	
	300	8.5	2.0	98	
	350	8.5	2.0	98	
Purple	150	8.4		120	0.35
	200	8.4	2.1	116	
	250	7.6	2.1	116	
	300	7.8	2.1	116	
	350	7.8	2.1	116	
Blue	150	9.0		135	0.50
	200	9.0	2.7	135	
	250	9.0	2.7	134	
	300	9.0	2.7	133	
	350	8.5	2.7	134	
Grey	150	9.0		151	0.39
	200	9.5	2.7	151	
	250	9.0	2.7	152	
	300	9.0	2.7	150	
	350	9.0	2.7	149	

Shaded portions indicate recommended operating pressures.  
Diameters based on spinner at 250 mm above ground level.  
\* Measured from spinner outlet.

## Waterbird® Trellis



### Features

- Developed to meet the unique needs of nut tree growers
- Trellis hook allows for easy suspension from poly tubing with a cable tie
- Snap lock bearing prevents nozzle dislodging by machinery during harvest and spraying
- Anti-insect/dust proof spinner retracts to protect nozzle when not in operation
- Low angle of throw for maximising under foliage penetration
- Robust aerofoil shaped frame for improved distribution and long field life
- More efficient water application – larger droplets, low angle and less wind effect
- Fully assembled model available with pre-installed 5 mm x 0.6 mm tube and 5 mm Adaptor
- Limited Throw Deflector (LTD) models available

### Specifications

- **Inlet:** 10 mm MBSP/NPT
- **Compensating Pressure Range:** 100 – 200 kPa
- **Materials:** Frame, bearing and nozzle: Acetal  
Spinner: Nylon
- **Trellis Hook:** suits cable ties to 5 mm width

### Application

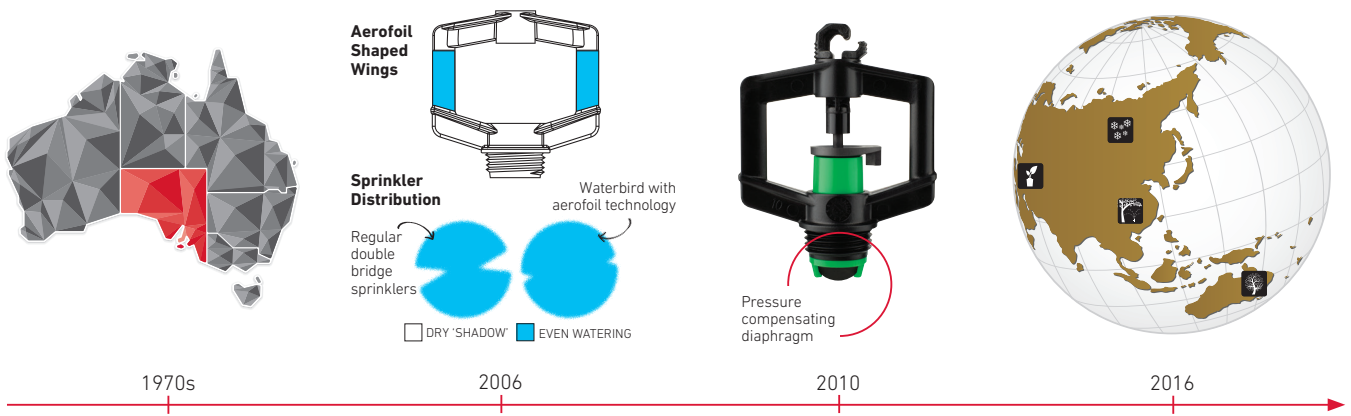


### PERFORMANCE CHART

Jet Colour Orifice Diam.	Pressure (kPa)	Diam. Std Spinner (m)	Diam Deflector LTD Spinner (m)	Diam Deflector TAB Spinner (m)	Flow (L/h)	Stream Height* (m)
White 1.05 mm	100	6.1			43	0.56
	150	6.9	4.6	1.0	53	0.62
	200	7.3			61	0.65
Maroon 1.25 mm	100	6.8			60	0.57
	150	7.8	5.1	1.5	74	0.71
	200	8.3			85	0.90
Green 1.40 mm	100	7.3			75	0.60
	150	9.2	5.3	1.7	92	0.83
	200	10.3			106	0.90

Shaded portions indicate recommended operating pressures.  
Diameters based on spinner at 250 mm above ground level.  
\* Measured from spinner outlet.

# The Waterbird® Story



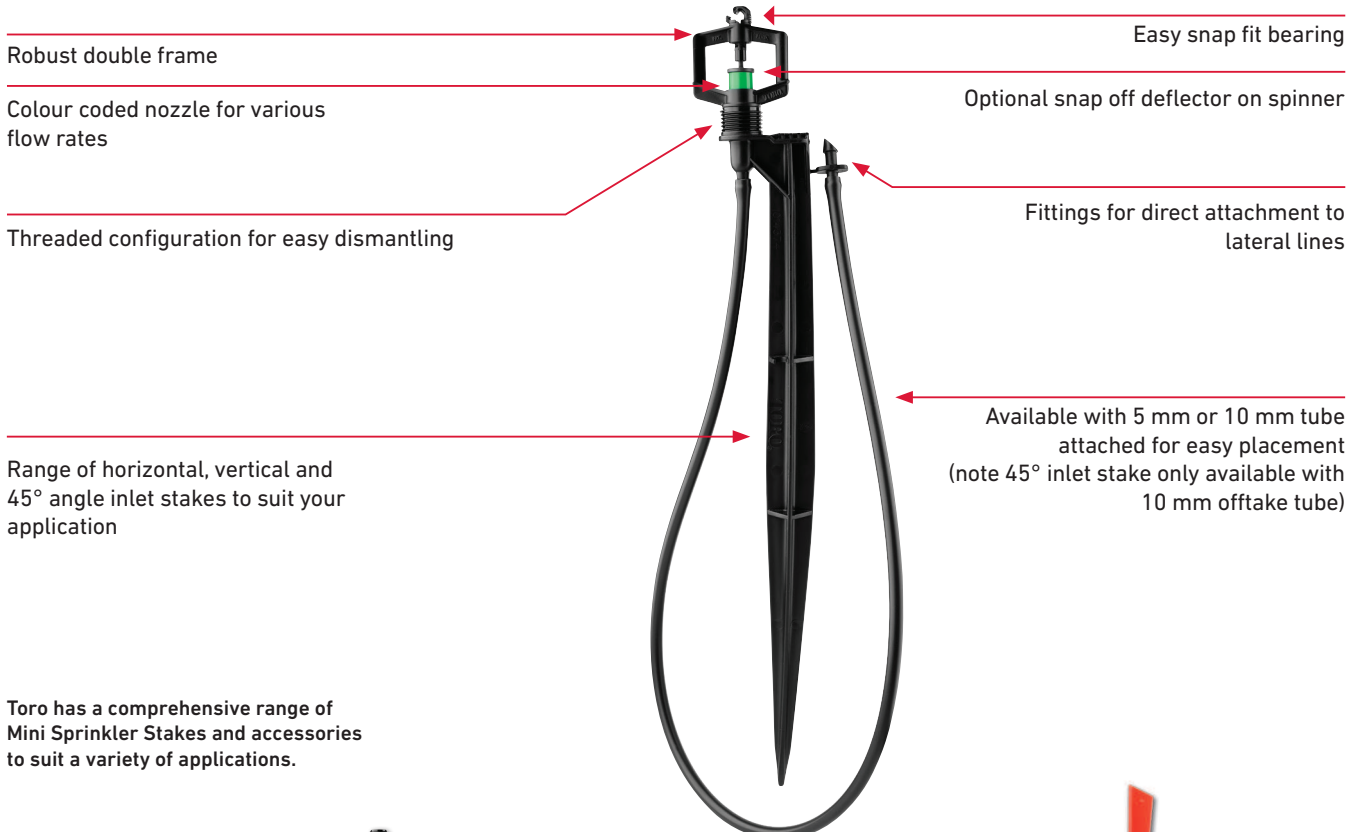
The Waterbird range was developed in South Australia over 40 years ago as a replacement for overhead sprinklers.

Toro launched aerofoil technology, revolutionising the Waterbird sprinkler design to minimise dry spots and improve the distribution pattern.

Toro's patented pressure compensating diaphragm assembly is released providing greater stream control, improved uniformity over wide operating pressures and increased radius.

Today, our range continues to evolve to meet the changing needs of growers in Australia and over 50 countries worldwide.

## Accessories, sprinkler stakes and risers



Toro has a comprehensive range of Mini Sprinkler Stakes and accessories to suit a variety of applications.



**WBS1045 (BLACK)**  
Waterbird Stake (365 mm), 10 mm x 45° angled inlet

**WBS1045WT (BLACK)**  
Waterbird Stake (365 mm), 10 mm x 45° angled inlet, fitted with 0.8 m x 10 mm tube



**1014374 (BLACK)**  
**1014376 (RED)**  
Waterbird Stake (360 mm), 5 mm vertical inlet

**1014372 (BLACK)**  
Waterbird Stake (360 mm), 5 mm vertical inlet, fitted with 0.6 m x 5 mm tube



**1014396(BLACK)**  
**10143967(RED)**  
Stake Adaptor 10mm hose tail to suit 1015190 (Rotoframe, 15 mm BSPF) Accepts 20 mm PVC cut to length



**WBD180B(BLACK)**  
**WBD180R(RED)**  
Deflector to suit all Waterbirds



**1014377**  
Mini Sprinkler Adaptor for direct on-tube application. Clips onto 5 mm round stake



[www.theolivecentre.com](http://www.theolivecentre.com)

Company policy is one of constant improvement and therefore changes in specifications may be made without notice and without incurring liability.



**Count on it.**